

AMENDMENTS TO THE ABSTRACT OF DISCLOSURE

Please replace the Abstract of the Disclosure with the following amended Abstract of the Disclosure:

ABSTRACT OF THE DISCLOSURE

Method of obtaining an antenna gain

A method ~~Method of~~ for obtaining a gain function by means of using an array of antennae and a weighting of the signals received or to be transmitted by vectors (\vec{b}) of complex coefficients. ~~[[,]]~~ The complex coefficients are referred to as weighing vectors, according to which, a reference gain function being given, ~~the said~~ the reference gain function is projected orthogonally onto the sub-space of ~~the~~ a gain function. The sub-space of the gain function is generated by ~~said~~ the weighting vectors of the space of the gain functions. ~~[[,]]~~ The weighting vectors of the space of the gain functions are provided in advance with a norm, and a weighing vector generating the reference gain function thus projected is chosen as the optimum weighing vector.

Fig. 2